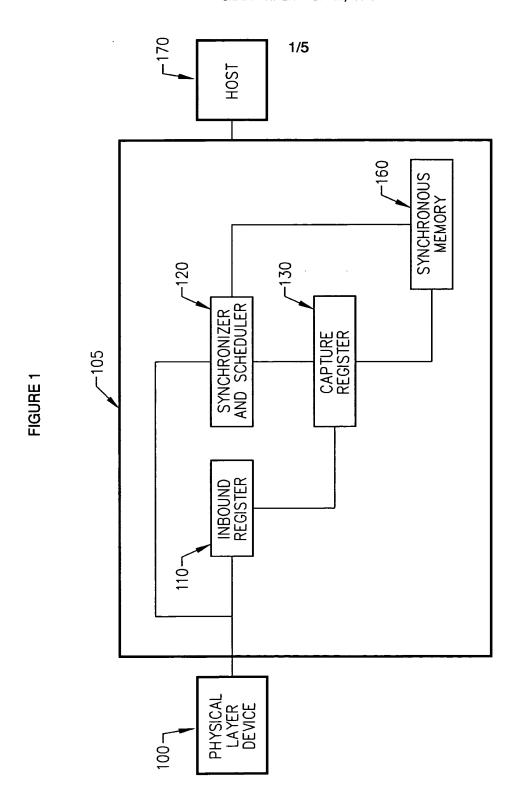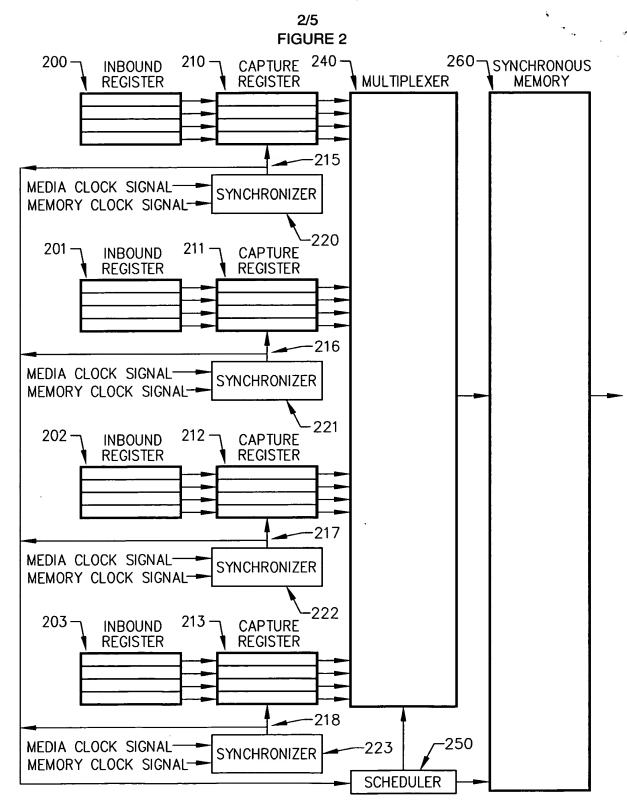42390P11424
SYNCHRONIZING DATA WITH A CAPTURE PULSE AND SYNCHRONIZER
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FIGURE 1

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FIGURE 2

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FIGURE 3

305 — RECEIVING A CLOCK SIGNAL ASSOCIATED WITH DATA TO CAPTURE

315 — CREATING A CAPTURE PULSE WITH ASYNCHRONOUS LOGIC

317 — CREATING A CAPTURE PULSE TO SYNCHRONIZE THE MEDIA CLOCK SIGNAL WITH A TRANSITION OF THE MEMORY CLOCK SIGNAL

325 — CAPTURING DATA FROM A QUEUE

335 — RECEIVING A WRITE SELECT SIGNAL TO STORE THE MEDIA DATA

345 — INITIATING A SIGNAL BASED UPON A CAPTURE PULSE

355 — WRITING A MEMORY WORD TO THE SYNCHRONOUS MEMORY

300 — RECEIVING A MEDIA CLOCK SIGNAL

310 — CREATING A CAPTURE PULSE TO SYNCHRONIZE THE MEDIA CLOCK SIGNAL WITH A MEMORY CLOCK SIGNAL

320 — CAPTURING MEDIA DATA IN RESPONSE TO THE CAPTURE PULSE

330 — MULTIPLEXING TO STORE THE MEDIA DATA IN THE SYNCHRONOUS MEMORY

340 — SCHEDULING TO STORE THE MEDIA DATA IN THE SYNCHRONOUS MEMORY

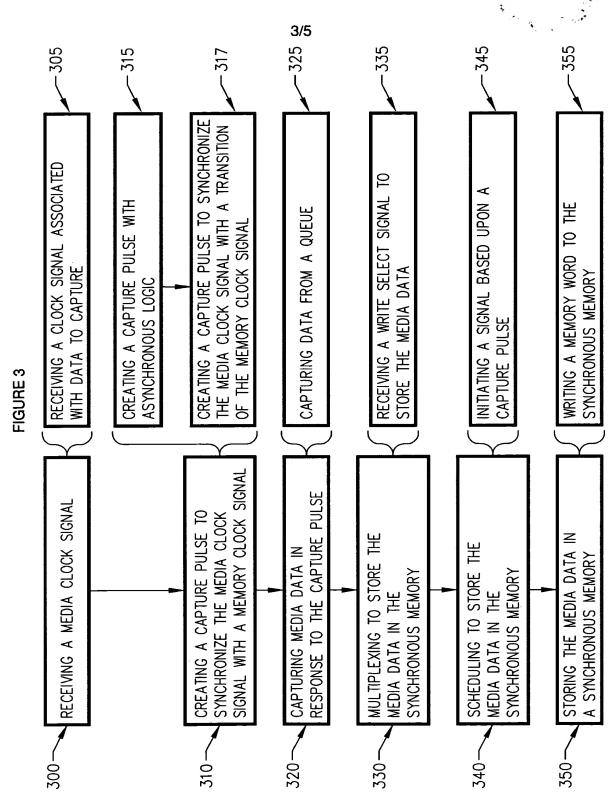350 — STORING THE MEDIA DATA IN A SYNCHRONOUS MEMORY

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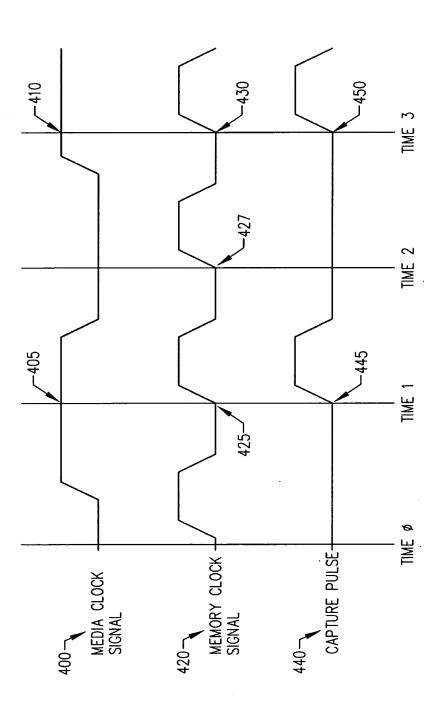SRIRAM M. BHAMIDIPATI, et al.

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FIGURE 4

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FIGURE 5

MACHINE-READABLE MEDIUM

500

510 — RECEIVING A MEDIA CLOCK SIGNAL

520 — CREATING A CAPTURE PULSE TO SYNCHRONIZE THE MEDIA CLOCK SIGNAL WITH A MEMORY CLOCK SIGNAL

530 — CAPTURING MEDIA DATA IN RESPONSE TO THE CAPTURE PULSE

540 — MULTIPLEXING TO STORE THE MEDIA DATA IN THE SYNCHRONOUS MEMORY

550 — SCHEDULING TO STORE THE MEDIA DATA IN THE SYNCHRONOUS MEMORY

560 — STORING THE MEDIA DATA IN A SYNCHRONOUS MEMORY